



NAVSEA 04L5 CONFIGURATION MANAGEMENT and READINESS DIVISION ERP CM Strategy CDM/ISEA Conference 04/2/02

Ms. Debra Wood, SEA 04L53
CM Systems Planning Branch Head
<http://cm.navsea.navy.mil>



SEA 04L5
CONFIGURATION
MANAGEMENT
and
READINESS
DIVISION

CM ERP STATUS

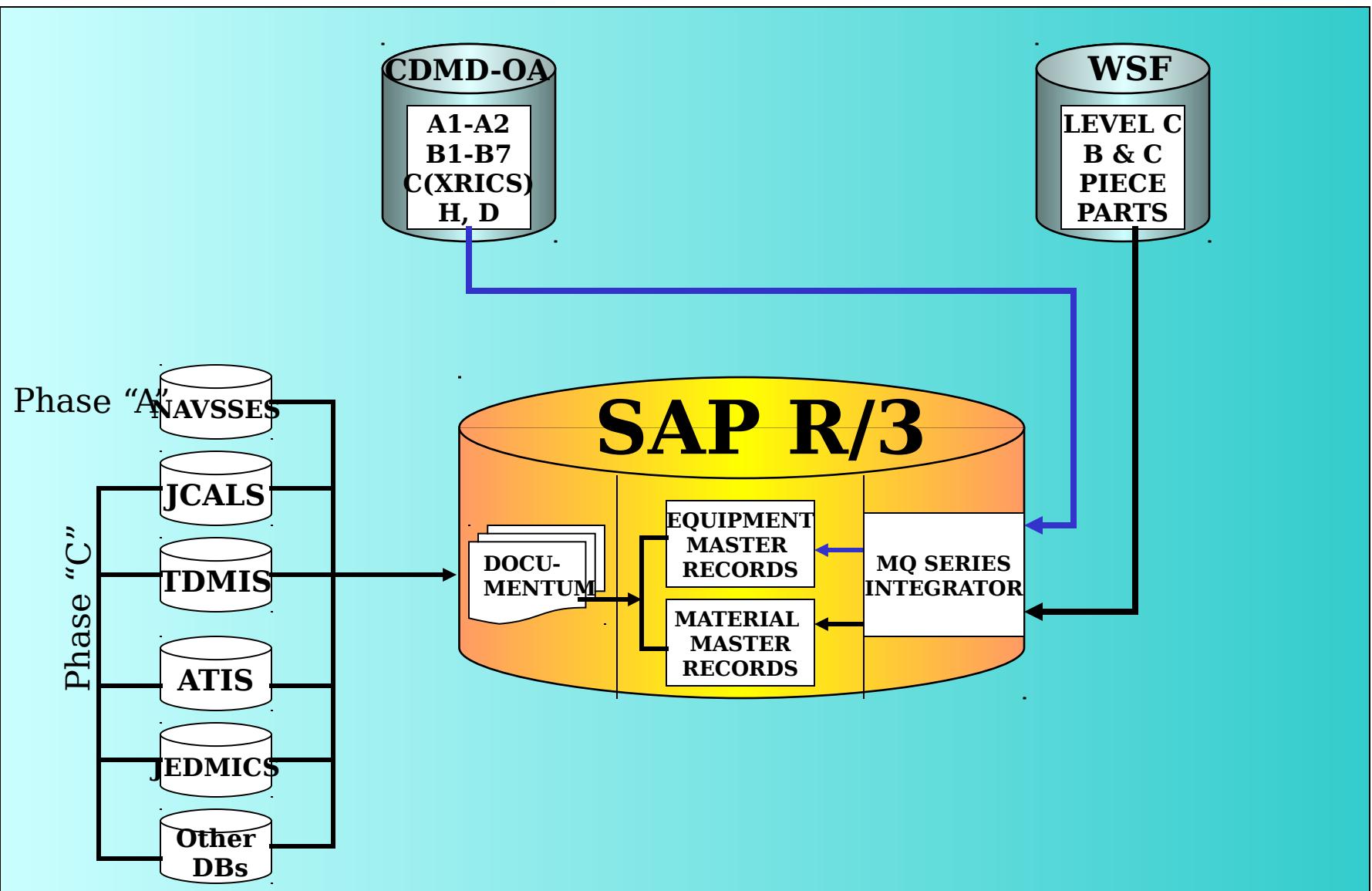
TOPICS

Phase A Highlights
Phase A Initial Data Load (E52)
Phase A Change Updates (ASI)
NEMAIS Data Purification
Initial Desktop Audit Results
Phase C Transition of CM into ERP
CM ERP Preparation Plan
Key Challenges
CM ERP POA&M
Summary

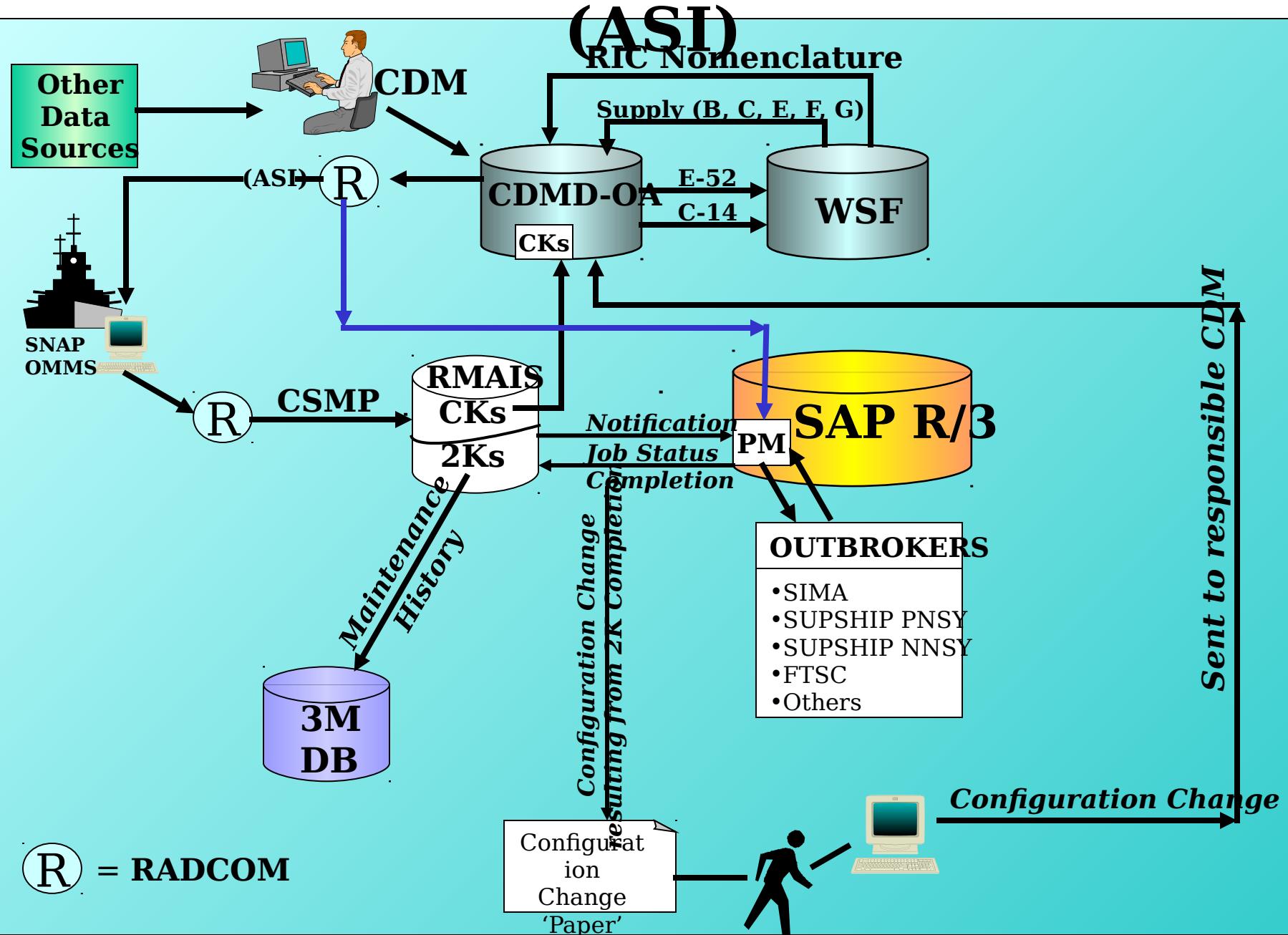
PHASE A HIGHLIGHTS

- Limit initial data migration to 22 critical data elements
- CDMD-OA E52 process to initialize SAP R/3
 - *Tailored ASI process to update Baseline Configuration after load*
- Focus on configuration data quality and accuracy
 - *Desk-Top Audits of Critical Data Elements*
- CM subject matter experts part of NEMAIS on-site Team
 - *Designed CDMD-OA Interface Specification*
 - *IMG Configuration; Unit, Integration and End User Testing*
- Participate in ERP Interoperability Workshops
 - *Focus on Common Touch Points Between ERP Pilots and CCB Process*

PHASE A INITIAL DATA LOAD (CDMD-OA E-52)



PHASE A CHANGE UPDATES

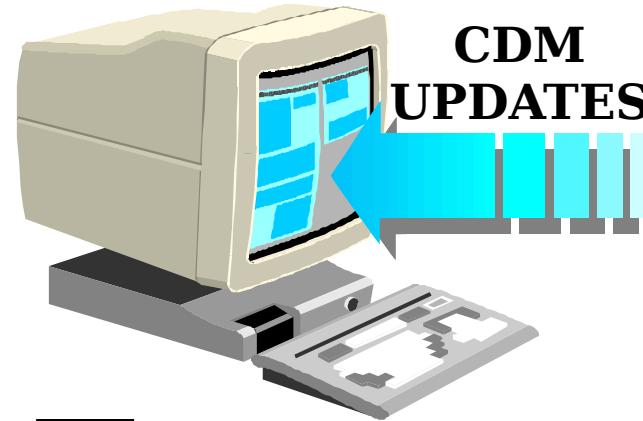


CM ERP DATA PURIFICATION APPROACH *PHASE A*

- Specific data purification efforts include:

<u>EFFORT</u>	<u>DESCRIPTION</u>
Review mandatory/warning edits in CDMD-OA	Resolve mandatory edits for RT2, RT3, RT4, CFF, and X-RIC records that prevent ASI, C14, or E52 program from processing record.
CDMD-OA Desktop Audits	CDMs checking 12 of 22 elements using CDMD-OA management queries. (Other elements require ISEA review and physical validation.)
HSC	Identify and correctly relate subordinate equipments to the superior equipments
Alteration Data Cleansing	ALT RIC Nomenclature against Equipment Identification Number (EIN)
ESWBS Application	Checking ESWBS Nomenclature for correct ship application (e.g., equipment supporting Shaft 3 is listed for a ship that has only two shafts)
Master ESWBS Table	Develop master ESWBS cross reference table for SAP.
WCRE	Ensure Work Center field is not blank.
DECOM Ships	Remove records for DECOM ships prior to migration to prevent establishment of False Plant and Functional Locations
Validation Comparison	Compare Configuration Data in CDMD-OA to results of existing Validation Efforts
Maint/Parts usage comparison	Compare maintenance/parts usage against configuration data in CDMD-OA

CDM Desktop Audit Data Clean Up



CORE DATA ELEMENTS REVIEWED

- =Core Desktop Audit Guide
- =Other Core Elements
- =3% errors
- =2% errors
- =1% errors

PAR RIC	HSC	LOC	ALT TYPE	ALT ID	ALT STAT
EIN	PRID	WCRE	EIC	ESWBS	RIC
SAC/NOM	EFD	EIC/NOM	ALT RIC	SAC	APL/NOM
MCC	DISC	WARN ERROR	PAR RIN	LSSC	MAND ERROR
ALT TYPE2	RIN	CEI	S/N	PAR S/N	QTY/APP

- Desktop audit approximately 75% complete
- 112.3M records reviewed to date/8.3K errors identified and corrected (<1% of total)
- Audit results reflect some subjective interpretation of data due to variance in CDM approach to track requested metrics.

PHASE C

TRANSITION OF CM INTO

Address Phase A findings and known systemic problems

ERP

- Lack of Standardization
 - Multiple HSC Schemas
 - Nomenclature inconsistencies
 - UNNPI Definition
 - SAP R/3 Functionality Gaps
- Develop Comprehensive Implementation Plan for Phase C
 - Preparation Plan (High Level Requirements)
 - Transition Plan (Detail Design)
 - Application Plan (Execution)

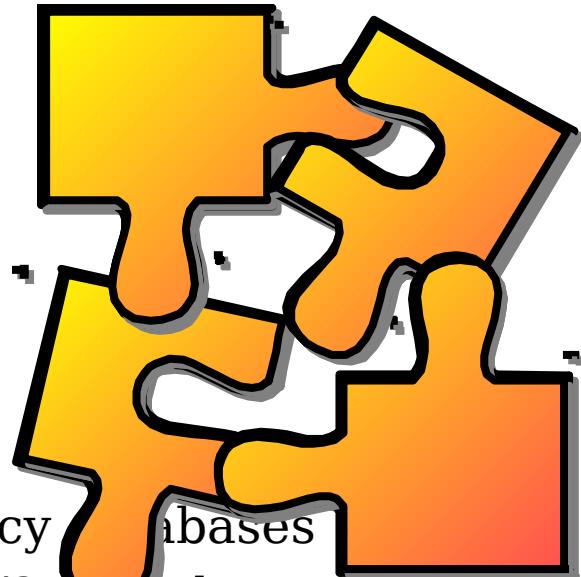
ERP CM PHASE “C” PREPARATION



ERP CM PHASE C

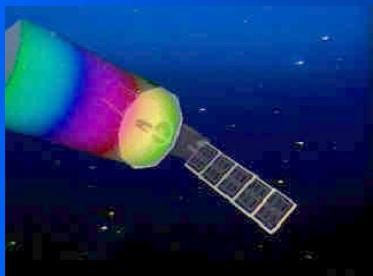
KEY CHALLENGES

- Funding
- Expanded data clean-up efforts for Phase C
- Roles & Responsibilities
- Licenses
- Training
- Functionality Gaps in SAP R/3
- Design of ASI/RAD-like capability
- Existing shipbuilding & systems contracts
- Standardization (HSC, Nomenclatures, etc.)
- Configuration data synchronization with legacy databases
- Interoperability across ERP Pilots and SAP R/3 modules
- SAP R/3 software Configuration Control/Formal CCB Process



CM ERP IMPLEMENTATION

PHAS	FY POA & FM												FY 04			
	1	2	3	4	1	2	3	14	2	3	14					
PREPARATION PHASE - Develop Preparation Plan																
TRANSITION PHASE - Develop Transition Plan - Business Process Re-eng - Perform Gap Analysis - Conduct Testing																
APPLICATION PHASE - Evaluate Return on Invest - Proof of Concept, ship prototype for ASI-like process																
SUNSET CDMD-OA PHASE																



SUMMARY

- Continue to support NEMAIS Phase A implementation while transitioning into Phase C.
- Successful migration of CM business processes and data into ERP dependent upon overcoming key challenges.

Bottom Line: Seize this opportunity to improve our CM Product to the Fleet